Question

[Pavithra Rajamohan](#) · Oct 13, 2020

Advice about HL7 Message creations for repeating loop items

Hello,

I am trying to create a HL7 message (REF_I12 message) using variables extracted from a Dynamic Object and need some advice about segment creation issues that I am having. Some background info: I receive a JSON response from an API call and used %FromJSON to convert the response to an Dynamic Object. Some of the items in the response are repeated such as NOKName, NOKrelationship.

Using the methods suggested in this post (https://community.intersystems.com/post/advice-about-json-conversions-and-reading-outputs-dynamic-objects), I have been able to extract the values from the response and set them to be variables. For example like so:

set NOKName = object.%Get(i).referral.nextOfKin.%Get(k).name

As part of the loop to extract the value, a command has been entered to create a new NTE segment like so:

```
d PBTRefMessage.SetValueAt("1", "NTE():SetIDNTE")
d PBTRefMessage.SetValueAt("P", "NTE():SourceofComment")
d PBTRefMessage.SetValueAt("NOKName", "NTE():Comment(1)")
```

As the NOKname has multiple values from the response, the segment in the message created only shows the last NOKName value in the loop and does not produce an NTE segment/value for each NOKName which is what I would like it to do. I have tried a few different things with the NTE ID substituted and still not able to get a different answer. The final output only has one of the NOKName values.

The schema for the REF_I12 message is as follows:

Raw Definition

2.4E pic:MSH [2.4E pic:RF1 [2.4E pic:ZF1 [2.4E pic:AUT [2.4E pic:CTD]]][2.4E pic:PRD [[2.4E pic:CTD]]]]2.4E pic:PID [[2.4E pic:NK1]][2.4E pic:GT1]][2.4E pic:IN1 [2.4E pic:IN2]2.4E pic:IN3]][2.4E pic:ACC [[2.4E pic:DG1]][2.4E pic:DRG]][2.4E pic:AL1]][2.4E pic:PR1 [2.4E pic:AUT [2.4E pic:CTD]]]][2.4E pic:OBR [[2.4E pic:NTE]][2.4E pic:OBX [[2.4E pic:NTE]]]]][2.4E pic:PV1 [2.4E pic:PV2]][2.4E pic:NTE]]

Any suggestions on how I can get each NOKName value to have it's own NTE segment created/or added as an additional value in the existing segment as an second(or third etc) comment in the same segment?

[#HL7](#) [#Caché](#) [#Ensemble](#) [#HealthShare](#)